

ABSTRACT OF THE DISCLOSURE

A data processing system includes: a data transfer rate converting part converting a data transfer rate a predetermined coded data stream; a
5 time information updating part updating time information which the predetermined coded data stream has according to a data transfer rate conversion ratio applied in the data transfer rate converting part; and a decoding device decoding the
10 coded data stream for which the data transfer rate has been converted by the data transfer rate converting part and the time information is updated by the time information updating part, and wherein:
15 the decoding device decodes the coded data stream for which the data transfer rate has been thus converted in timing according to the time information which has been thus updated by the time information updating part.